

Overview

Vision Technology provides safe LiFePO4 battery solutions for UPS and Energy storage system. This battery system serves for UPS and Energy storage system with perfect compatibility and safe long cycle life.

Features

- Can/RS485 Communication output for monitoring
- Achieve up 32 BMU in cascade communication
- Internal cell balancing ,Passive equalization , the maximum equalization current up to 300mA
- High-precision cell voltage and temperature acquisition: $\pm 3\text{mv}$, $\pm 1^\circ\text{C}$;
- Fan control circuit and interface, realize heat dissipation inside the module

Module Preview



Module 51.2V50Ah

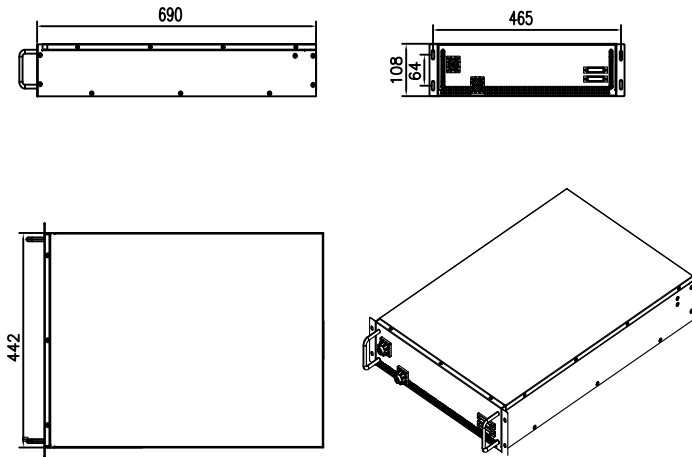
Performance Data

Time(min)	15	30	45	60	120
Constant Power(kw)	74.4	39.3	26.2	20.1	10.0
Constant Current(A)	200	100	66.7	50	25

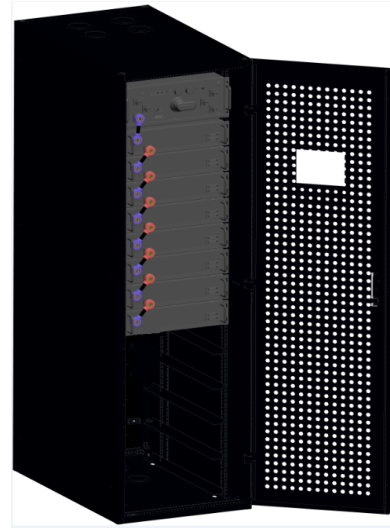
Rack Specification

Voltage Range(V)	320~467.2
Cell	3.2V50Ah
Series & Parallels	128S1P
Rated Voltage(V)	409.6
Rated Capacity(Ah)	50
Rated Energy(KWh)	20.48
Maximum Output Power(KW)	87.2
Maximum Discharge Current(A)	245
Maximum Charge Current(A)	50
Discharge cut-off voltage(V)	320
Charge voltage(V)	448 ~ 467.2
Cycle life(@25°C,1C/1C,100%DOD)	>2500
System Dimension(W* D* H)	(600*1000*2000) mm
Total Weight(Kg)	Approx.480
Thermal Management	Air cooling
Operating temperature	-20 ~ 65°C
Operating humidity	60 ± 25%R.H.
Certified	UL/CE/UN38.3
Communication	CAN/RS485
Dry Contact	Y
System parallels	15
Screen	optional

Module size



Rack

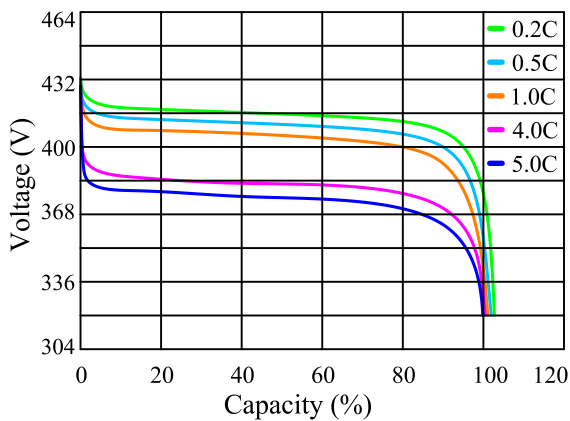


Rack TP80(S)

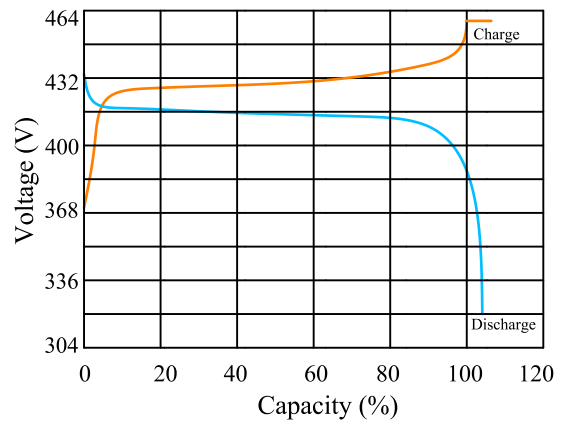
TP80S-with LCD TP80-without LCD

Characteristics Curve

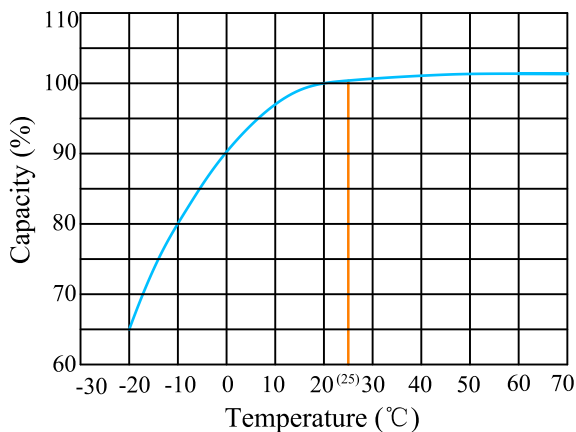
Discharge Performance at 25°C



Charge and Discharge at 25°C, 0.2C



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C

